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PATENT

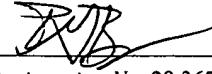
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hiroyuki Kobayashi  
Serial No.: 09/187,700  
Conf. No.: 3400  
Filed: 11/6/1998  
For: STORAGE MEDIUM AND METHOD  
AND APPARATUS FOR SEPARATELY  
PROTECTING DATA IN DIFFERENT  
AREAS OF THE STORAGE MEDIUM  
Art Unit: 2137  
Examiner: Nguyen, Minh Dieu T.  
Patent: 7,051,213  
Issued: May 23, 2006

I hereby certify that this paper is being deposited with the  
United States Postal Service as FIRST-CLASS mail in an  
envelope addressed to: Commissioner for Patents, P.O.  
Box 1450, Alexandria, VA 22313-1450, on this date.

23 Oct 06

Date

  
Registration No. 29,367  
Attorney for Applicant(s)

REQUEST FOR CERTIFICATE OF CORRECTION UNDER RULE 322

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTN: Certificate of Corrections Branch

Dear Sir:

In accordance with 37 C.F.R. § 1.322, patentees, through their attorneys,  
respectfully request that a Certificate of Correction be issued in the above-referenced patent.

The errors occurred as a result of mistakes on the part of the Patent and Trademark  
Office and the changes include the following:

**Certificate**

OCT 30 2006

**of Correction**

OCT 31 2006

On the Patent Face:

Under "Foreign Patent Documents" delete "JP 9335182 12/1996" and insert --JP  
8335182 12/1996--(PTO-1449 filed 11/6/98).

OCT 3 1 2006



In the Claims:

Col.11, line 48, delete “key the” and insert --key to the--(Amend. G, claim 1, lines 5-6).

Col. 12, line 5, delete “random key data” and insert --random key-- (Amend. G, claim 1, line 27).

Col. 12, lines 41-42, delete “said writing encrypted random key to d the storage” and insert --said writing said encrypted random key to the storage-- (Amend. G, claim 7, line 2).



### REMARKS

A Certificate of Correction incorporating the delineated change is enclosed in duplicate herewith. Since the mistakes were on the part of the Patent and Trademark Office, a Certificate of Correction should be issued without expense to the patentee and such is respectfully requested.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

A handwritten signature in black ink, appearing to read "PGB".

By

Patrick G. Burns  
Registration No. 29,367

October 23, 2006

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A handwritten postmark from the U.S. Patent and Trademark Office, Indianapolis, Indiana. The text "OCT 31 2006" is written in a cursive style.

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO : 7,051,213  
DATED : May 23, 2006  
INVENTOR(S) : Kobayashi et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**On the Patent Face:**

Under "Foreign Patent Documents" delete "JP 9335182 12/1996" and insert --  
JP 8335182 12/1996--.

**In the Claims:**

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Col. 12, lines 41-42, delete "said writing encrypted random key to d the storage" and insert --said writing said encrypted random key to the storage--.

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PATENT NO 7,051,213  
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OCT. 3. 1 2006

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(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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DATED : May 23, 2006  
INVENTOR(S) : Kobayashi et al.

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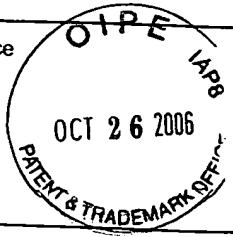
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OCT 8 2006

Form PTO-1449  
(Rev. 8-88)U.S. Department of Commerce  
Patent and Trademark OfficeINFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)Attorney Docket No.  
3408.62676

Serial No.

Applicant: Kobayashi et al.

Filing Date: 11-6-98

Group No.

## U.S. PATENT DOCUMENTS

Examiner initial*		Document No.	Date	Name	Class	Subclass	Filing Date

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
							Yes No
gn.	6 3 2 1 9 0 4 4	Sep. 12, 1988	Japan				Abs.
gn.	7 0 8 5 5 7 4	Mar. 31, 1995	Japan				Abs.
gn.	7 1 7 6 1 3 4	Jul. 14, 1995	Japan				Abs.
gn.	8 3 3 5 1 8 2	Dec. 17, 1996	Japan				Abs.
gn.	6 4 2 1 7 6 0 1	Jan. 25, 1989	Japan				Abs.
gn.	8 0 6 9 3 5 7	Mar. 12, 1996	Japan				Abs.

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner

*Gregory Weston*

Date Considered

*3-01*

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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IN THE CLAIMS:

Please amend claims 1-14 and 16-20, and add new claims 21-28 as follows:

1           1. (Currently Amended) A storage medium data protecting  
2 method of protecting data on a storage medium having a plurality of unit storage  
3 areas, comprising:

4           a step of generating a random key-data, encrypting the said random  
5 key data-with a password, and writing the said encrypted random key data to said  
6 the storage medium;

7           a step of encrypting the data with the generated random key-data,  
8 and writing the encrypted data to said the storage medium;

9           a step of reading the said encrypted key data from said the storage  
10 medium;

11           a step of decoding the said encrypted key data with the said  
12 password; and

13           a step of reading and decoding the data on said the storage medium  
14 with the decoded key-data,

15           wherein said random key data-generating step comprises:

16           a step of generating a different random key data for each of a  
17 plurality of unit storage area of the plurality of unit storage areas of said storage  
18 medium, so that said each unit storage area is assigned a different random key, and  
19 said assignment of said different random key to said each unit storage area being

20    based on a particular unit storage area to which the data, once encrypted, is to be  
21    stored;

22                a step of encrypting each said ~~of the~~ different random key data for  
23    each unit storage area keys with said password, and

24                a step of writing each said ~~of the~~ encrypted key data to said ~~different~~  
25    random keys to the storage medium when initializing the storage medium,

26                wherein said data encrypting step comprises a step of encrypting the  
27    data with the said different random key data corresponding to its said particular  
28    unit storage area to write the data, and

29                wherein said data decoding step comprises a step of decoding the  
30    data with the said decoded key data corresponding to said particular unit storage  
31    area where the data have been read.

1                2.    (Currently Amended)      A storage medium data protecting  
2    method according to claim 1, wherein said random key data—generating step  
3    comprises a step of generating the said random key data per logic sector on said  
4    the storage medium.

1                3.    (Currently Amended)      A storage medium data protecting  
2    method according to claim 1, wherein said random key data—generating step  
3    comprises a step of generating is-different key data random keys for each writing  
4    to said plurality of unit storage areas.

1           7. (Currently Amended) A storage medium data protecting  
2 method according to claim 1, wherein said step of writing the said encrypted  
3 random key data to said the storage medium comprises a step of encrypting the  
4 said random key data with a first password, writing the encrypted random key data  
5 to said the storage medium, encrypting said first password with a second  
6 password, and writing said first the encrypted first password to the storage  
7 medium, and said step of decoding the encrypted key data—comprises a step of  
8 decoding said first encrypted first password with said second password, and  
9 obtaining said first password, and a step of decoding the said encrypted key data  
10 with obtained said first password.

1           8. (Currently Amended) A storage medium data protecting  
2 apparatus for protecting data ~~on a storage medium~~, comprising:  
3           a storage medium having a plurality of unit storage areas; and  
4           a control circuit for reading and writing the data from and to said  
5 storage medium,  
6           wherein said control circuit has:  
7           a write mode of encrypting, after generating a random key data, the  
8 said random key data—with a password, writing the encrypted key data—to said  
9 storage medium, encrypting the data with the random key data, and writing the  
10 encrypted data to said storage medium;

OCT 31 2008